<u>Claims</u>

What is claimed is:

- 1. A closed circuit breather apparatus for an engine breather system comprising:
 - a cylinder head cover; and
- a shut off valve provided beneath the cylinder head cover, the shut off valve including an aperture in communication with a ventilation inlet passage and a valve float restrained to move between a first position in which the aperture is open and a second position in which the aperture is closed.
- 2. A closed circuit breather apparatus according to claim 1, wherein the shut off valve includes a guide cage that restrains the valve float for movement between the first and second positions.
- 3. A closed circuit breather apparatus according to claim 2, wherein the guide cage is fixed to the underside of the cylinder head cover.
- 4. A closed circuit breather apparatus according to claim 1, wherein the valve float is a ball float and covers the aperture when the valve float is in the second position.
- 5. A closed circuit breather apparatus according claim 2, wherein the valve float is a ball float and covers the aperture when the valve float is in the second position.
- 6. A closed circuit breather apparatus according to claim 3, wherein the valve float is a ball float and covers the aperture when the valve float is in the second position.

- 7. A closed circuit breather apparatus according to claim 1, further including a pressure regulation valve in communication with the ventilation inlet passage.
- 8. A closed circuit breather apparatus according to claim 2, further including a pressure regulation valve in communication with the ventilation inlet passage.
- 9. A closed circuit breather apparatus according to claim 3, further including a pressure regulation valve in communication with the ventilation inlet passage.
- 10. A closed circuit breather apparatus according to claim 4, further including a pressure regulation valve in communication with the ventilation inlet passage.
- 11. A closed circuit breather apparatus according to claim 7, further including an outlet passage in communication with the pressure regulation valve, the outlet passage having a first portion provided beneath the cylinder head cover and a second portion extending through the cylinder head cover to an outlet outside the cylinder head cover.
- 12. A closed circuit breather apparatus according to claim 8, further including an outlet passage in communication with the pressure regulation valve, the outlet passage having a first portion provided beneath the cylinder head cover and a second portion extending through the cylinder head cover to an outlet outside the cylinder head cover.

- 13. A closed circuit breather apparatus according to claim 9, further including an outlet passage in communication with the pressure regulation valve, the outlet passage having a first portion provided beneath the cylinder head cover and a second portion extending through the cylinder head cover to an outlet outside the cylinder head cover.
- 14. A closed circuit breather apparatus according to claim 10, further including an outlet passage in communication with the pressure regulation valve, the outlet passage having a first portion provided beneath the cylinder head cover and a second portion extending through the cylinder head cover to an outlet outside the cylinder head cover.
- 15. A closed circuit breather apparatus for an engine breather system comprising:

a cylinder head cover adapted to define an engine valve chamber; and a shut off valve provided within the engine valve chamber, the shut off valve including an aperture in communication with a ventilation inlet passage and a valve float restrained to move between a first position in which the aperture is open and a second position in which the aperture is closed.

- 16. A closed circuit breather apparatus according to claim 15, wherein the shut off valve includes a guide cage that restrains the valve float for movement between the first and second positions.
- 17. A closed circuit breather apparatus according to claim 16, wherein the guide cage is fixed to the underside of the cylinder head cover.

- 18. A closed circuit breather apparatus according to claim 15, further including a pressure regulation valve in communication with the ventilation inlet passage.
- 19. A cylinder head cover arrangement for an internal combustion engine, comprising:
 - a cylinder head cover;
- a ventilation inlet passage integral with said cylinder head cover; and a breather shut off valve integral with said cylinder head cover and in communication with said ventilation inlet passage.
- 20. A cylinder head cover according to claim 19 further including: a ventilation outlet passage integral with said cylinder head cover; and a pressure regulation valve in communication with said ventilation inlet passage and said ventilation outlet passage.